BG

YAMAHA

TX-592RDS

Natural Sound AM/FM Stereo Tuner

Syntonisateur AM/FM stéréo de la série “Natural Sound”

“Natural Sound” MW/UKW-Stereo-Tuner

Natural Sound AM/FM stereotuner

Sintonizzatore stereo AM/FM a suono naturale

Sintonizador estéreo de AM/FM de sonido natural

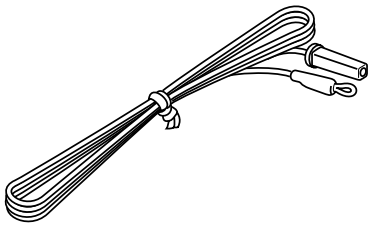
Natural Sound Stereo Tuner

OWNER’S MANUAL
MODE D’EMPLOI
BEDIENUNGSANLEITUNG
BRUKSANVISNING
MANUALE DI ISTRUZIONI
MANUAL DE INSTRUCCIONES
GEBRUIKSAANWIJZING

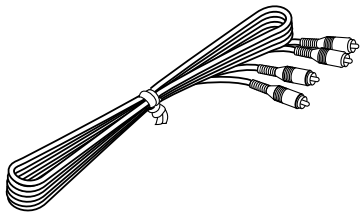
SUPPLIED ACCESSORIES
ACCESSOIRES FOURNIS
MITGELIEFERTE ZUBEHÖRTEILE
MEDFÖLJANDE TILLBEHÖR
ACCESSORI IN DOTAZIONE
ACCESORIOS INCLUIDOS
BIJGELEVERDE ACCESSOIRES

- After unpacking, check that the following parts are contained.
- Après le déballage, vérifier que les pièces suivantes sont incluses.
- Nach dem Auspacken überprüfen, ob die folgenden Teile vorhanden sind.
- Kontrollera efter det apparaten packats upp att följande delar finns med.
- Verificare che tutte le parti seguenti siano contenute nell'imballaggio dell'apparecchio.
- Desembalar el aparato y verificar que los siguientes accesorios están en la caja.
- Controleer na het uitpakken of de volgende onderdelen voorhanden zijn.

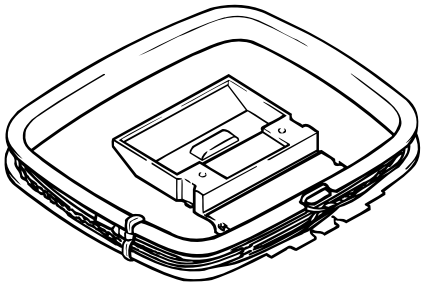
- Indoor FM Antenna
- Antenne FM intérieure
- UKW-Innenantenne
- FM inomhusantenn
- Antenna FM per interni
- Antena FM interior
- FM Binnenantenne



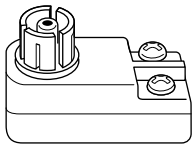
- Audio connection cord
- Câble de connexion audio
- Audio-Anschlußkabel
- Audio anslutningssladdar
- Cavo di collegamento audio
- Cable de conexión de audio
- Audio aansluitkabel



- AM Loop Antenna
- Cadre-antenne AM
- MW-Rahmenantenne
- AM ramantenn
- Antenna AM ad anello
- Antena de cuadro de AM
- AM Lusantenne



- 75-ohm/300-ohm antenna adapter (U.K. model only)
- Adaptateur d'antenne 75 ohms/300 ohms (Modèle pour le Royaume-Uni seulement)
- 75 Ohm/300 Ohm Antennenstecker (nur Großbritannien-Modell)
- 75 ohm/300 ohm antennadapter (Endast modell för Storbritannien)
- Adattatore per antenna da 75 o da 300 ohm (Solo modello per la Gran Bretagna)
- Adaptador de antena de 75 ohmios/300 ohmios (Modelo para Reino Unido sólo)
- 75-ohm/300-ohm antenne-adapter (Alleen modellen voor Groot-Brittannië)



Thank you for selecting this YAMAHA stereo tuner

English

FEATURES

- **Multi-Functions for RDS Broadcast Reception**
- **40 Station Random Access Preset Tuning**
- **Automatic Preset Tuning for RDS Stations**
- **Multi-Status Station Memory**
- **Preset Station Shifting Capability (Preset Editing)**
- **Rotary Encoder Tuning**
- **Direct PLL Synthesizer Tuning**

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CAUTION: READ THIS BEFORE OPERATING YOUR UNIT.

1. This unit is a sophisticated stereo tuner. To assure proper operation and the best possible performance, please read this manual carefully.
2. Choose the installation location for the unit carefully. Avoid placing it in direct sunlight or close to a source of heat. Also avoid locations subject to vibration and excessive dust, heat, cold or moisture. Keep it away from such sources of hum as transformers or motors.
3. Do not open the cabinet, because this may result in damage to the unit or electrical shock. If a foreign object should get into the unit, contact your local dealer.
4. When not planning to use this unit for long periods of time (ie., vacation, etc.), disconnect the AC power plug from the wall outlet.
5. To prevent lightning damage, disconnect the AC power plug and disconnect the antenna cable when there is an electrical storm.
6. When disconnecting the power plug from the wall outlet, always pull directly on the plug; never pull the cord itself.
7. Do not use force when operating switches and other controls.
8. When moving the unit, be sure to first disconnect the power plug and disconnect all wires connected from the unit to other equipment.
9. Do not attempt to clean this unit with chemical solvents, because this may damage the finish. Use a clean, dry cloth.
10. Be sure to read the "TROUBLESHOOTING" section of this manual for advice on common operating errors before concluding that the unit is faulty.
11. Keep this manual in a safe place for future reference.

This unit is not disconnected from the AC power source as long as it is connected to the wall outlet, even if this unit itself is turned off. This state is called the standby mode. In this state, this unit is designed to consume a very small quantity of power.

IMPORTANT
Please record the serial number of this unit in the space below.

Model:

Serial No.:

The serial number is located on the rear of the unit. Retain this Owner's Manual in a safe place for future reference.

WARNING
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

For U.K. customers
If the socket outlets in the home are not suitable for the plug supplied with this appliance, it should be cut off and an appropriate 3 pin plug fitted. For details, refer to the instructions described below.
Note: The plug severed from the mains lead must be destroyed, as a plug with bared flexible cord is hazardous if engaged in a live socket outlet.

Special Instructions for U.K. Model

IMPORTANT
THE WIRES IN MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:

Blue: NEUTRAL
Brown: LIVE

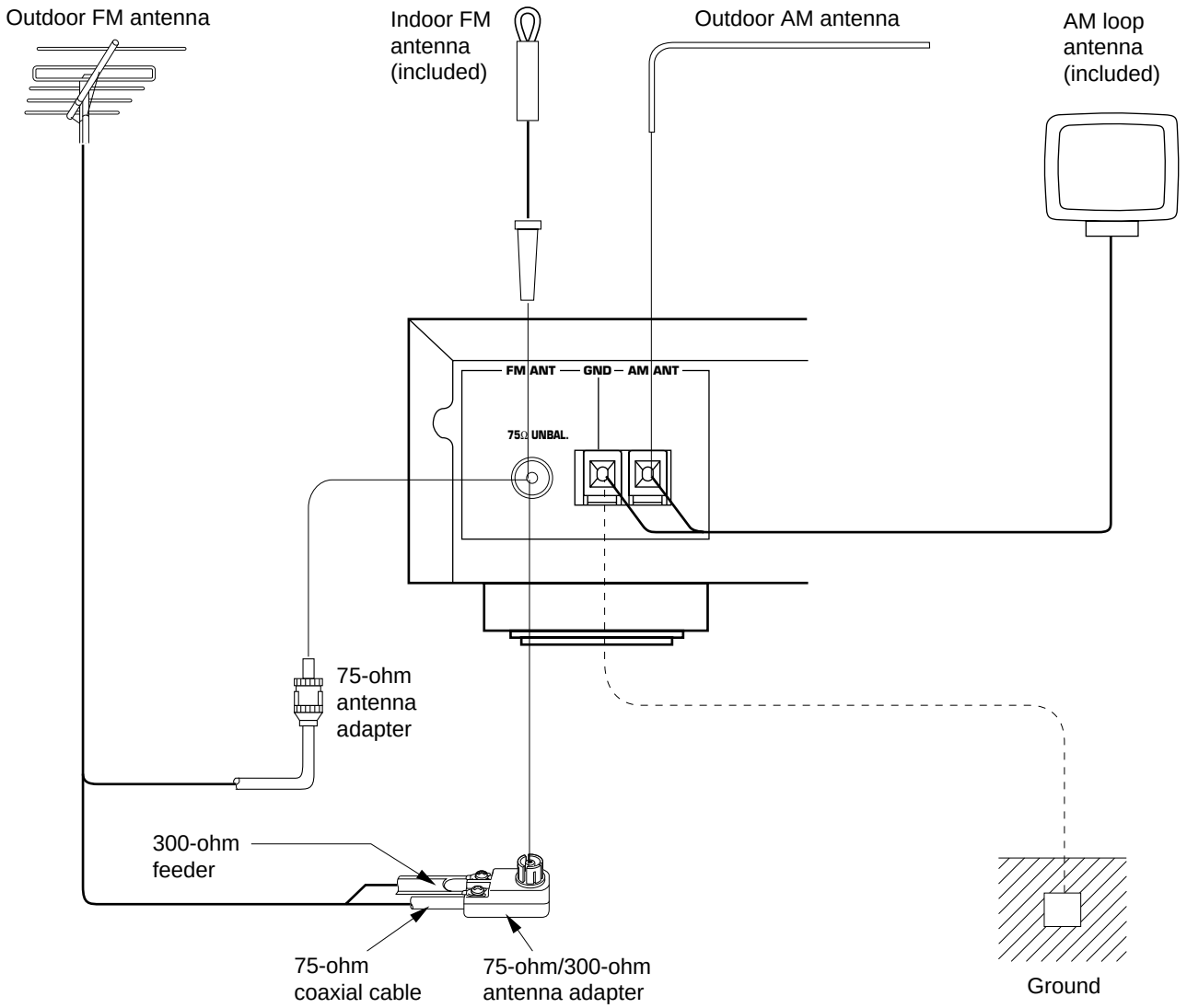
As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED. Making sure that neither core is connected to the earth terminal of the three pin plug.

CONNECTIONS

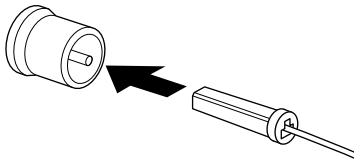
Never plug in this unit and other components until all connections are completed.

ANTENNA CONNECTIONS

- Each antenna should be connected to the designated terminals correctly, referring to the following figure.
- Both AM and FM indoor antennas are included with this unit. In general, these antennas will probably provide sufficient signal strength. Nevertheless, a properly installed outdoor antenna will give clearer reception than an indoor one. If you experience poor reception quality, an outdoor antenna may result in improvement.

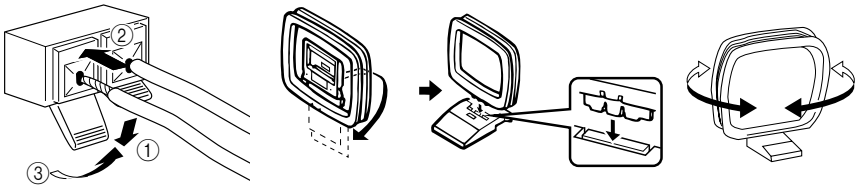


Connecting the indoor FM antenna



Connecting the AM loop antenna

1 **2** **3**

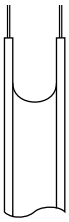


Orient so that the best reception is obtained.

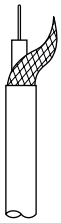
* If you connect an outdoor FM antenna to this unit, do not connect the indoor FM antenna to this unit.
* The AM loop antenna should be placed apart from the main unit. The antenna may be hung on a wall.
* The AM loop antenna should be kept connected, even if an outdoor AM antenna is connected to this unit.

■ Optional outdoor FM antenna

Consult with your dealer or authorized service center about the best method of selecting and erecting an outdoor FM antenna. The choice of the feeder cable is also important. Flat ribbon-shaped twin-lead cable performs well electrically, and is cheaper and somewhat easier to handle when routing it through windows and around rooms. Coaxial cable is more expensive, does a much better job of minimizing interference, is less prone to the effects of weather and close-by metal objects, and is nearly as good a signal conductor as feeder cable, particularly for foam-type coaxial cables. Coaxial cable is somewhat more difficult to install at the point where the cable enters the building. If coaxial cable is selected, make sure the antenna is designed to be used with that type of cable.

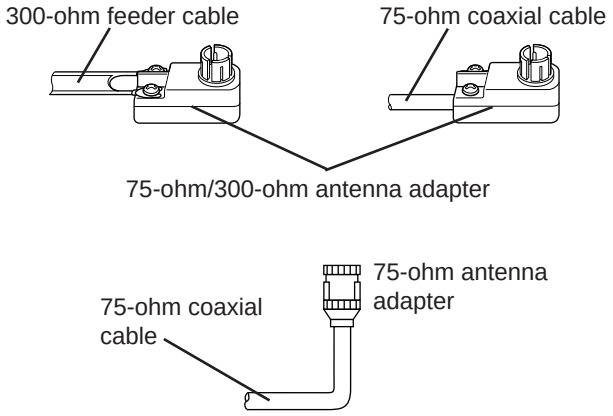


300-ohm feeder cable



75-ohm coaxial cable

* Use a 75-ohm/300-ohm antenna adapter (not included) or a 75-ohm antenna adapter (not included) for connections.



Notes for FM antenna installation

- To minimize automobile ignition noise, locate the antenna as far from heavy traffic as possible.
- Keep the feeder cable or coaxial cable as short as possible. Do not bundle or roll up excess cable.
- The antenna should be at least two meters (6.6 feet) from reinforced concrete walls or metal structures.

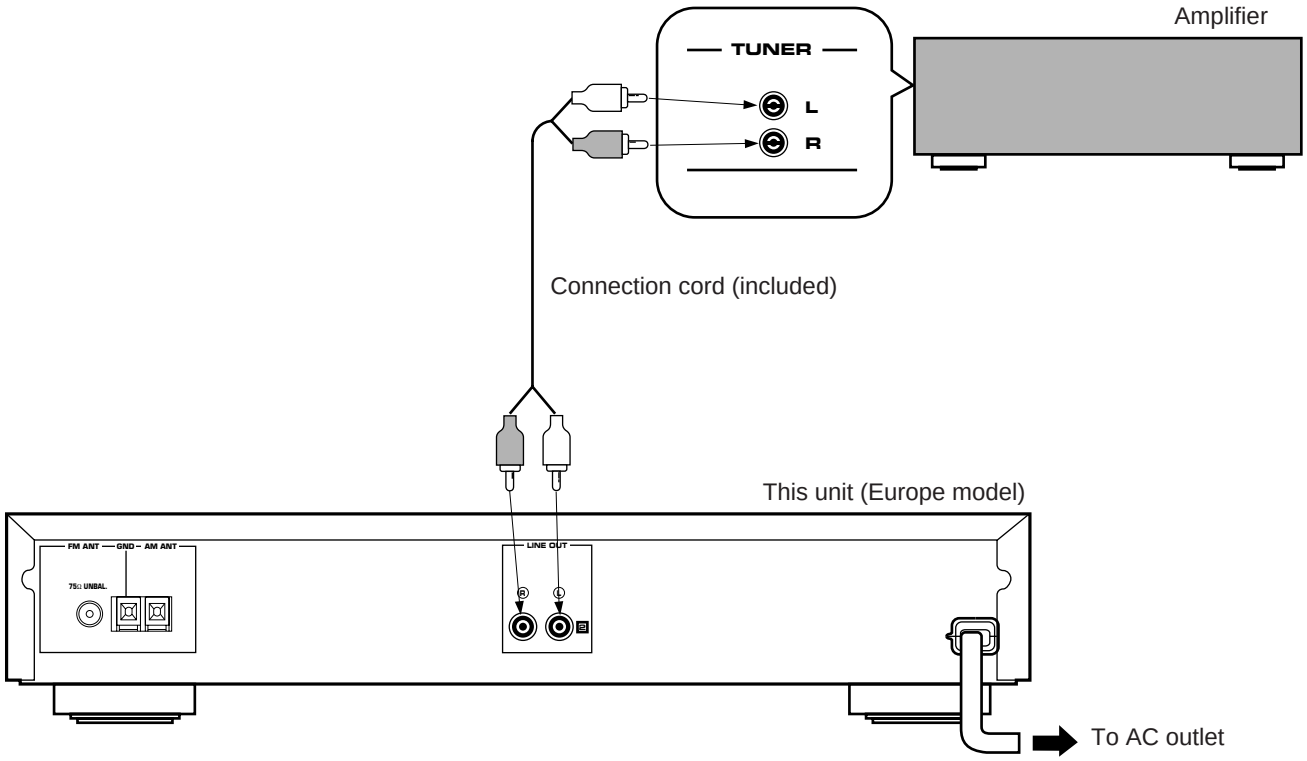
■ Optional outdoor AM antenna

In steel buildings or at a great distance from the transmitter, it may be necessary to install an outside long wire antenna.

GND terminal
For maximum safety and minimum interference, connect the **GND** terminal to a good earth ground. A good earth ground is a metal stake driven into moist earth.

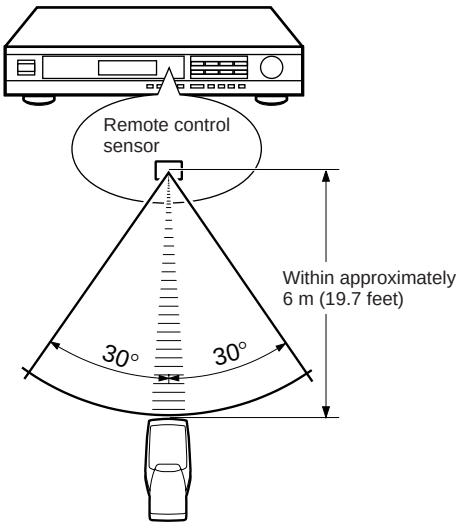
CONNECTIONS TO THE AMPLIFIER

- Do not plug in this unit and the amplifier or other component until all connections are completed.
- Be sure that the connections from the left (“L”) and right (“R”) LINE OUT terminals are connected to the corresponding (left and right) input terminals of the amplifier or other component.
- If you have a YAMAHA amplifier whose terminals on the rear panel are numbered as 1, 2, 3, etc., connections can be made easily by making sure to connect the LINE OUT terminals of this unit to the input terminals of the amplifier numbered 2.



NOTES ABOUT CONTROLLING THIS UNIT WITH THE REMOTE CONTROL TRANSMITTER

This unit has a remote control sensor. It receives signals from a remote control transmitter provided with a YAMAHA amplifier or receiver.

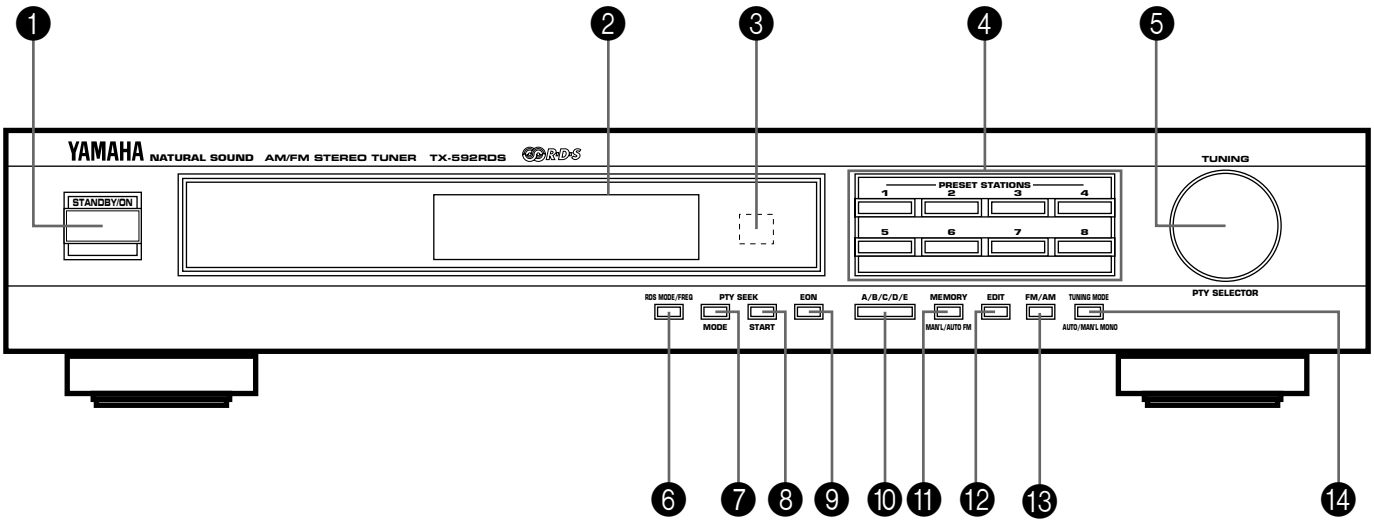


Notes

- There should be no large obstacles between the remote control transmitter and the main unit.
- If the remote control sensor is directly illuminated by strong lighting (especially an inverter type of fluorescent lamp etc.), it might cause the remote control transmitter not to work correctly. In this case, reposition the main unit to avoid direct lighting.

CONTROLS AND THEIR FUNCTIONS

FRONT PANEL



1 STANDBY/ON switch
Press this switch to turn the power to this unit on. Press it again to turn this unit into the standby mode.

> Standby mode
> In this state, this unit consumes a very small quantity of power to receive infrared-signals from the remote control transmitter.

2 Display panel
Shows station frequencies and various information. (Refer to the next page for details.)

3 Remote control sensor
Receives signals from a remote control transmitter provided with a YAMAHA amplifier or receiver.

4 PRESET STATIONS buttons
Select a preset station number (1 to 8).

5 TUNING (PTY SELECTOR) control
Used to tune in to a desired station. This control is also used to call a preset RDS station by program type.

6 RDS MODE/FREQ button
When an RDS station is received, pressing this button changes the display mode into the PS mode, PTY mode, RT mode and/or CT mode (if the station employs those RDS data services), and frequency display in turn.

7 PTY SEEK MODE button
When this button is pressed, the unit turns into the PTY SEEK mode.

8 PTY SEEK START button
Press this button to begin searching for a station after the desired program type is selected in the PTY SEEK mode.

9 EON button
Press this button to select a desired program type (NEWS, INFO, AFFAIRS, SPORT) when you want to call a radio program of that program type automatically.

10 A/B/C/D/E button
Press this button to select a desired group (A–E) of preset stations.

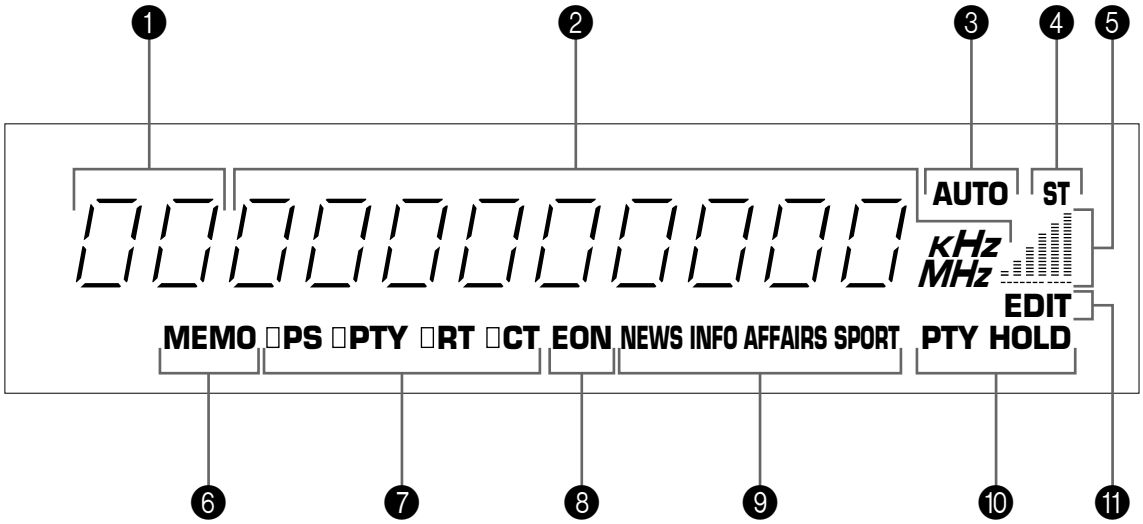
11 MEMORY (MAN'L/AUTO FM) button
When this button is pressed, the MEMO indicator flashes for about 5 seconds. During this period, press the desired **PRESET STATIONS** button to enter the displayed station into the memory.
When this button is pressed and held for more than 3 seconds, the automatic preset tuning begins. (Refer to page 11 for details.)

12 EDIT button
This button is used to exchange the places of two preset stations with each other.

13 FM/AM button
Press this button to switch the reception band to FM or AM.

14 TUNING MODE (AUTO/MAN'L MONO) button
Press this button to switch the tuning mode to automatic or manual. To select the automatic tuning mode, press this button so that the "AUTO" indicator lights up on the display. To select the manual tuning mode, press this button so that the "AUTO" indicator goes off.

DISPLAY PANEL



1 Preset station indicator
Display the group (A/B/C/D/E) and the number (1 to 8) of a preset station.

2 Station frequency display
Displays the band and frequency or information from the received station.

3 AUTO indicator
Lights up when this unit is in the automatic tuning mode.

4 ST (STEREO) indicator
Lights up when an FM stereo broadcast with sufficient signal strength is received.

5 Signal-level meter
Indicates the signal level of the received station.
If multipath interference is detected, the indication decreases.

6 MEMO indicator
When the **MEMORY** button is pressed, this indicator flashes for about 5 seconds. During this period, the displayed station can be programmed to the memory by using the **A/B/C/D/E** button and one of the **PRESET STATIONS** buttons.

7 RDS mode indicators
The name(s) of RDS mode(s) employed by the currently received RDS station light(s) up. Illumination of the indicator on the head of a name shows that the corresponding RDS mode is now selected.

8 EON indicator
Lights up when an RDS station that employs the EON-PTY data service is received.

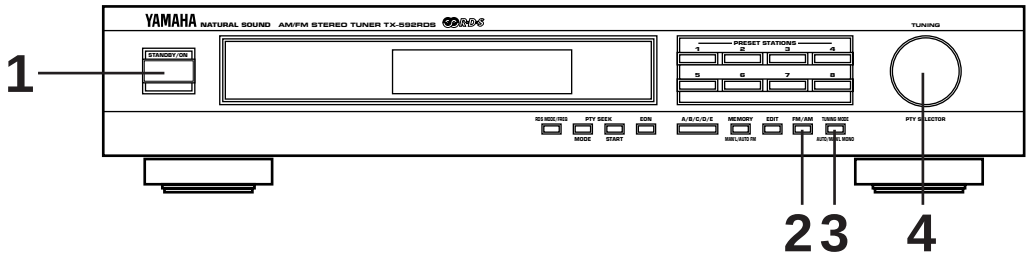
9 Program type name indicators
The name selected in the EON mode lights up.

10 PTY HOLD indicator
Lights up while the search is performed in the PTY SEEK mode.

11 EDIT indicator
Flashes by the first press of the **EDIT** button when you will exchange preset stations, and lights up for a moment by the second press of the **EDIT** button to show that the exchange has succeeded.

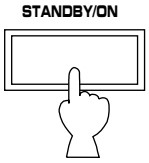
TUNING OPERATIONS

Normally, if station signals are strong and there is no interference, quick automatic-search tuning (AUTOMATIC TUNING) is possible. However, if signals of the station you want to select are weak, you must tune to it manually (MANUAL TUNING).



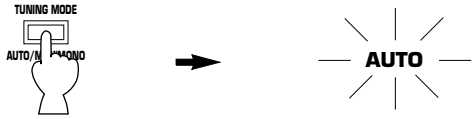
AUTOMATIC TUNING

1 Turn the power on.

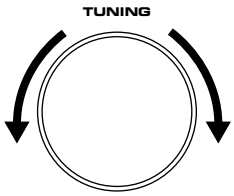


2 Select the reception band (FM or AM) confirming it on the display.

3



4 Tune in to a desired station.



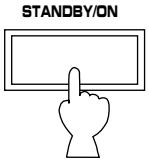
To tune in to a higher frequency, slightly turn the control to the right. To tune in to a lower frequency, slightly turn the control to the left.

* If the station where tuning search stops is not the desired one, turn again.

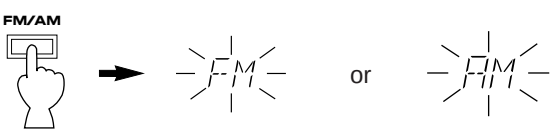
* If the tuning search does not stop at the desired station (because the signals of the station are weak), change to the MANUAL TUNING method.

MANUAL TUNING

1 Turn the power on.



2 Select the reception band (FM or AM) confirming it on the display.



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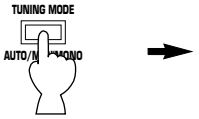
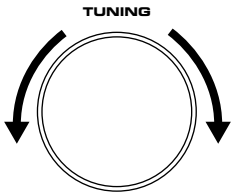


Turn the “AUTO” indicator off.

4 Tune in to a desired station manually.



Notes

- If you tune to an FM station manually, it is received in monaural mode automatically to increase the signal quality.
- When tuned in to a station, the frequency of the received station is shown on the display. If an RDS station that employs PS data service is received, the frequency is then replaced by the station name. Refer to page 15 for details.

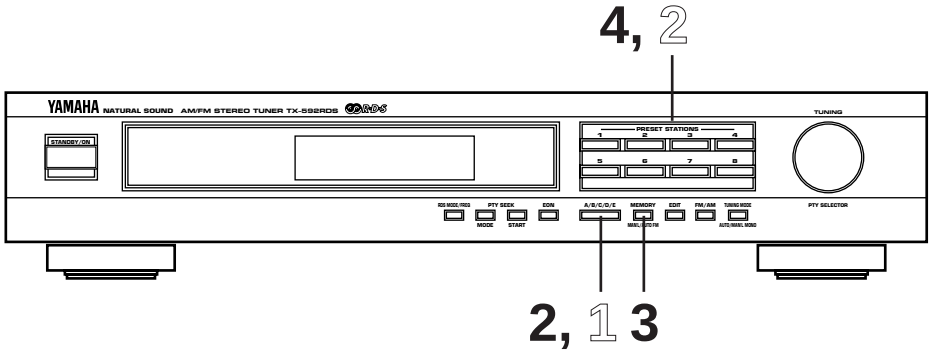
When you finish using this unit

Press the **STANDBY/ON** switch again to turn this unit into the standby mode.

PRESET TUNING

MANUAL PRESET TUNING

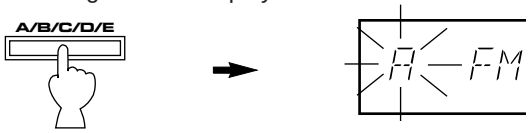
This unit can store station frequencies selected by tuning operation. With this function, you can recall any desired station by only selecting the preset station number where it is stored. Up to 40 stations (8 stations x 5 groups) can be stored.



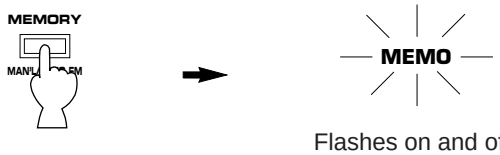
To store stations

1 Tune in to a desired station.
(Refer to the previous page for tuning procedure.)

2 Select a desired group (A – E) of preset stations confirming it on the display.

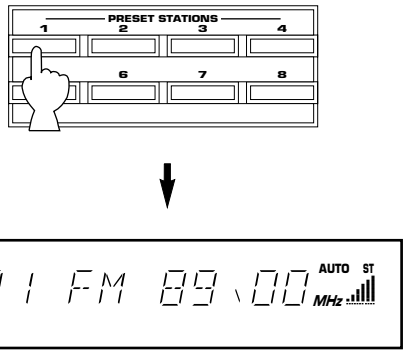


3



Flashes on and off for about 5 seconds.

4 Select a preset station number where you want to program the station before the “MEMO” indicator goes off from the display.

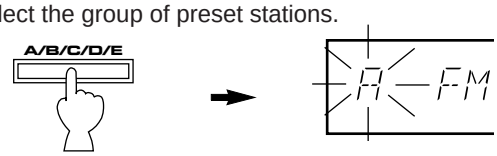


Shows the displayed station has been programmed to A1.

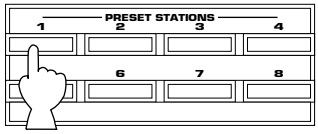
* In the same way, program other stations to A2, A3 ... A8.
* You can program more stations to preset station numbers on other groups in the same way by selecting other groups in step 2.

To recall a preset station

1 Select the group of preset stations.



2 Select the preset station number.



Notes

- A new setting can be programmed in place of the former one.
- For presets, the setting of the reception mode (stereo or monaural) is stored along with the station frequency.

Memory back-up

The memory back-up circuit prevents the programmed data from being lost even if this unit is turned into the standby mode or the power plug is disconnected from the AC outlet or the power is cut due to temporary power failure. If, however, the power is cut for more than one week, the memory may be erased. If so, it can be re-programmed by simply following the PRESET TUNING steps.